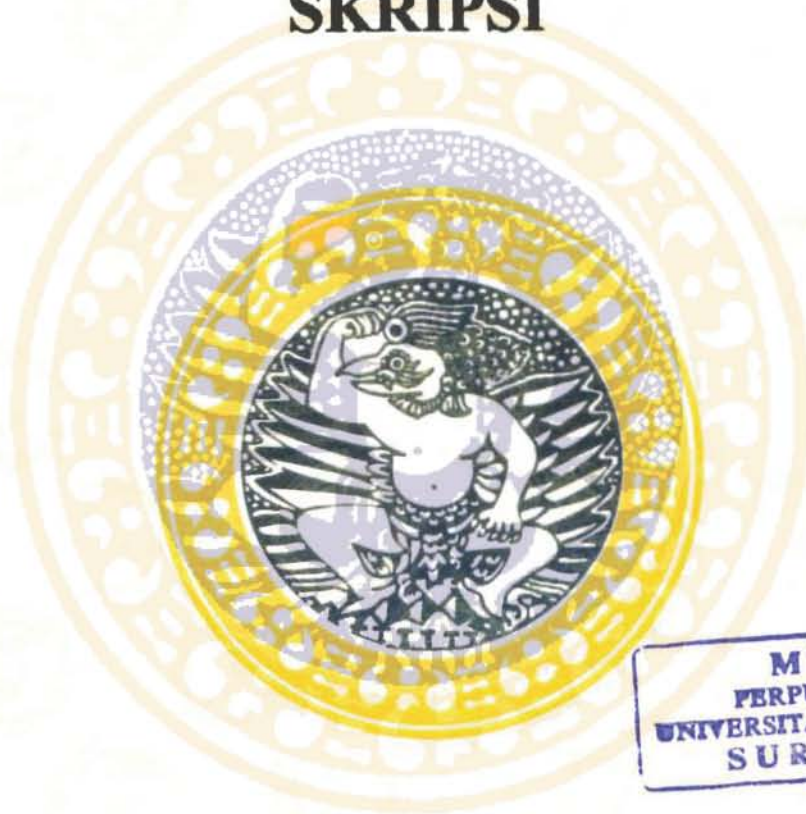


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**PENDEKATAN ALGORITMA GENETIK UNTUK
MASALAH
TRANSPORTASI LINIER BIKRITERIA**

SKRIPSI



**MILIK
PERPUSTAKAAN
UNIVERSITAS AIRLANGGA
SURABAYA**

YUNITA SETIAWATI

**JURUSAN MATEMATIKA
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS AIRLANGGA
SURABAYA**

2004

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**Judul : PENDEKATAN ALGORITMA GENETIK UNTUK
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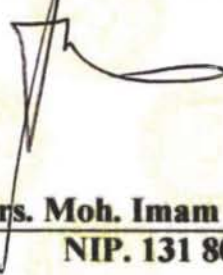
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ABSTRACT

The bicriteria linear transportation problem (BLTP) is a modify of linear transportation problem. Transportation problem with a single objective of minimizing the total cost is well known in the literature. BLTP is a transportation problem with two objectives : minimizing total cost and minimizing total deterioration.

This paper concern with BLTP and its solution utilising genetic algorithms (GA). Optimisation concept of BLTP is optimal Pareto (nondominated solution). GA approaches for BLTP are to find the set of nondominated points in feasible area.

In this case used problem with 7 sources, 7 destinations, 20 population size, and 20 maximum generations. At last be obtained 15 nondominated solutions. It if compare with Goal Programming approach so 13 points are optimal solution and 2 points are suboptimal solution.

Key words: GA, BLTP, optimal Pareto solution.